

TT030

Compatible

Expandable

Flexible

Affordable

- ROM: 4 socketed 1 Mbit ROMs, providing 512 Kbyte of ROM space. All four ROMs must be present, because of the 32-bit wide system bus access.
- internal video modes that are a superset of those in the Atari ST/STe series:

using an analog RGB (VGA-like) color monitor:

pixels	rows	colors	palette	
320	200	16	4096	(STe compatible)
640	200	4	4096	(STe compatible)
640	400	2	4096	(STe superset, two colors user selectable)
320	480	256	4096	
640	480	16	4096	

using a high resolution ECL monochrome monitor:

1280	960	black on white
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- parallel I/O port, generally used for parallel printer output
- internal speaker, which can be disabled under software control
- 2 low-speed asynchronous serial I/O ports (one from each of two 68901 MFPs) at programmable baud rates up to 19.2 Kbaud
- 2 high-speed asynchronous/SDLC serial I/O ports (from a Zilog 8530 SCC). One port can be programmed to be a LocalTalk compatible LAN interface with a proprietary single channel DMA controller. The other port is intended for use as an asynchronous RS-232 port with programmable split baud rates.
- battery backed-up real time clock (RTC) with 50 bytes of non-volatile RAM
- ST/MEGA compatible intelligent keyboard, with mouse and joystick ports including support for a 3 button mouse
- Atari ACSI DMA channel (for Atari Hard Disk, Laser Printer, CD-ROM, etc)
- floppy disk controller and interface sharing the ACSI DMA channel
- Musical Instrument Digital Interface (MIDI)
- STe compatible DMA sound engine with programmable volume and tone control which can play back stereo 8-bit samples at rates up to 50 kHz
- Atari ST compatible cartridge port (128 Kbyte storage)

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- SCSI interface using 25-pin connector implemented with the NCR 5380 SCSI controller chip and a proprietary DMA controller
- industry standard VMEbus for expansion: 1 single Eurocard A24/D16 (and A16/D16) slave-only card slot

When comparing the TT030 with the competition, four important features stand out:

- flicker-free, high resolution graphics built-in as standard
- three high speed DMA channels (ACSI, SCSI, and SCC)
- high speed burst-mode RAM
- high bus-bandwidth, independent of video resolution

The attached comparison chart compares the TT030 features with the Mac IIcx and A3000. In overall system performance the TT030 is the clear winner, and independent benchmarks will validate this.

The Atari® **TT030**

Compatible with the Atari ST™, 1000s of software titles available.

Plus

- 3 New Graphics modes:
 - 320 × 480 with 256 colors from a palette of 4096
 - 640 × 480 with 16 colors from a palette of 4096
 - 1280 × 960 high resolution monochrome
- Stereo 8 bit PCM sound
- MC68030 running at 16 MHz.
- MC68881 Floating Point Co-Processor
- 2 Megabytes RAM, expandable to 26
- SCSI and ACSI with DMA, both built in
- Internal hard disk
- SCC LAN Port with DMA
- Four serial ports
- Parallel port
- MIDI ports
- Detachable keyboard
- Internal A24/D16 VME card slot
- Real Time Clock with NVRAM

	Amiga 3000	Mac IIcx	TT030
CPU	68030	68030	68030
FPU	Yes	Yes	Yes
RAM	2 to 17	1 to 32	1 to 26
Burst Mode	Yes	No	Yes
ROM	512K	256K	512K
Graphics	1280x480 Interlaced 32 colors	Optional	1280x960 Non-interlaced 256 colors
Sound	Stereo	Stereo	Stereo
Expansion	Proprietary	NuBus	VME
Hard Disk	DMA	Non-DMA	DMA
Floppy Disk	Proprietary	Proprietary	PC Compatible
Network	No	Yes	Yes, DMA
Serial	1 RS232	2 RS422	4 RS232
Parallel	Yes	No	Yes
MIDI	No	No	Yes
Cartridge	No	No	Yes



